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INDEX TO AMERICAN BOTANICAL LITERATURE

1914

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Ames, O. The orchids of Guam. *Philip. Jour. Sci.* **9**: (Bot.) 11-16.
F 1914.

Includes eight new species.

Atwood, W. M. A physiological study of the germination of *Avena fatua*. *Bot. Gaz.* **57**: 386-414. *f.* 1-13. 16 My 1914.

Bicknell, E. P. Some grasses noteworthy in Massachusetts. *Rhodora* **16**: 81-83. 11 My 1914.

Brand, A. Symplocaceae. In Pilger, R. *Plantae Uleanae novae vel minus cognitae*. *Notizbl. Königl. Bot. Gard. Berlin* **6**: 172. 4 Ap 1914.

Includes *Symplocos Ulei* sp. nov.

Brause, G. Polypodiaceae. In Pilger, R. *Plantae Uleanae novae vel minus cognitae*. *Notizbl. Königl. Bot. Gard. Berlin* **6**: 109-111. 20 Mr 1914.

Includes *Polypodium roraimense* and *Dryopteris roraimensis*, spp. nov.

Clements, F. E., & Clements, E. S. Rocky Mountain flowers. i-xxxii + 1-392. *pl.* 1-47. White Plains, 1914.

Cook, M. T. Crown gall and hairy root. *New Jersey Agr. Exp. Sta. Circ.* **34**: 1-14. [1914.] [Illust.]

Cook, M. T. Potato diseases in New Jersey. *New Jersey Agr. Exp. Sta. Circ.* **33**: 1-24. *f.* 1-14. [1914.]

- Cook, M. T.** Some diseases of nursery stock. New Jersey Agr. Exp. Sta. Circ. 35: 1-24. f. 1-15. [1914.]
- Copeland, E. B.** New Papuan ferns. Philip. Jour. Sci. 9: (Bot.) 1-9. F 1914.
Includes new species in *Cyathea* (2), *Dryopteris* (4), *Tectaria* (2), *Athyrium* (1), *Adiantum* (1), *Polypodium* (6), and *Aglaomorpha* (1).
- Cotton, A. D.** The genus *Atichia*. Kew Bull. Misc. Inf. 1914: 54-63. f. 1. Mr 1914.
- Cross, E. R.** *Viola Selkirkii* in Colorado. Rhodora 16: 94, 95. 11 My 1914.
- Dachnowski, A., & Gormley, R.** The physiological water requirement and the growth of plants in glycol solutions. Am. Jour. Bot. 1: 174-185. 23 My 1914.
- Diels, L.** Droseraceae. In Pilger, R. Plantae Uleanae novae vel minus cognitae. Notizbl. Königl. Bot. Gard. Berlin 6: 136. 20 Mr 1914.
- Diels, L.** Menispermaceae. In Pilger, R. Plantae Uleanae novae vel minus cognitae. Notizbl. Königl. Bot. Gard. Berlin 6: 132-134. 20 Mr 1914.
Includes *Anomospermum chloranthum* and *Odontocarya floribunda*, spp. nov.
- Engler, A., & Krause, K.** Araceae. In Pilger, R. Plantae Uleanae novae vel minus cognitae. Notizbl. Königl. Bot. Gard. Berlin 6: 113-117. 20 Mr 1914.
Includes *Anthurium micranthum* Krause, *Stenospermium Ulei* Krause, *Monstera acreana* Krause, *Dracontium Ulei* Krause, *Xanthosoma Hylaeae* Engl. et Krause, and *Taccarum Ulei* Engl. et Krause.
- Evans, A. W.** Hepaticae: Yale Peruvian Expedition of 1911. Trans. Connecticut Acad. Arts & Sci. 18: 295-345. Ap 1914.
Includes *Metzgeria scyphigera*, *Plagiochila Binghamiae*, *P. Footei*, *P. pauciramea*, *P. striolata*, and *Dicranolejeunea rotundata*, spp. nov.
- Farrell, M. E.** The ovary and embryo of *Cyrtanthus sanguineus*. Bot. Gaz. 57: 428-436. pl. 24 + f. 1-3. 16 My 1914.
- Fernald, M. L.** Three lupines naturalized in eastern Canada and Newfoundland. Rhodora 16: 92-94. 11 My 1914.
- Graves, A. H.** The future of the chestnut tree in North America. Pop. Sci. Mo. 84: 551-566. f. 1-4. Je 1914.
- Harms, H.** Araliaceae. In Pilger, R. Plantae Uleanae novae vel minus cognitae. Notizbl. Königl. Bot. Gard. Berlin 6: 167, 168. 4 Ap 1914.
Includes *Didymopanax psilophyllum* sp. nov.

- Harper, R. M.** The "Pocosin" of Pike County, Alabama, and its bearing on certain problems of succession. Bull. Torrey Club **41**: 209-220. *f. 1-4.* 13 My 1914.
- Harris, J. A.** On the relationship between the number of ovules formed and the number of seeds developing in *Cercis*. Bull. Torrey Club **41**: 243-256. *f. 1-3.* 13 My 1914.
- Heimerl, A.** Nyctaginaceae. In Pilger, R. *Plantae Uleanae novae vel minus cognitae*. Notizbl. Königl. Bot. Gard. Berlin **6**: 126-132. 20 Mr 1914.
Includes four new species in *Neea*.
- Higgins, B. B.** Contribution to the life history and physiology of *Cylindrosporium* on stone fruits. Am. Jour. Bot. **1**: 145-173. *pl. 13-16.* 23 My 1914.
Includes *Coccomyces prunophorae* and *C. lutescens*, spp. nov.
- Howe, M. A.** The marine algae of Peru. Science II. **39**: 254. 13 F 1914.
- Humphrey, L. E.** The honeysuckle family in Ohio. Ohio Nat. **16**: 299-308. 24 Ap 1914.
- Knowlton, C. H.** *Spiraea salicifolia* in Alburg, Vermont. Rhodora **16**: 96. 11 My 1914.
- Krause, K.** Rutaceae. In Pilger, R. *Plantae Uleanae novae vel minus cognitae*. Notizbl. Königl. Bot. Gard. Berlin **6**: 143-149. 4 Ap 1914.
Includes one new species each in *Fagara*, *Galipea*, *Rauia*, *Erythrochiton*, and *Metrodorea*, and *Sohnreyia excelsa* gen. et sp. nov.
- Krause, K.** Sapotaceae. In Pilger, R. *Plantae Uleanae novae vel minus cognitae*. Notizbl. Königl. Bot. Gard. Berlin **6**: 169-172. 4 Ap 1914.
Includes one new species each in *Lucuma*, *Bumelia*, *Vitellaria*, and *Chrysophyllum*.
- Lipman, C. B.** The poor nitrifying power of soils a possible cause of "die-back" (exanthema) in lemons. Science II. **39**: 728-730. 15 My 1914.
- MacDougal, D. T.** The measurement of environic factors and their biologic effects. Pop. Sci. Mo. **84**: 417-433. *f. 1-8.* My 1914.
- MacDougal, D. T.** The auxo-thermal integration of climatic complexes. Am. Jour. Bot. **1**: 186-193. *pl. 17, 18.* 23 My 1914.
- Malme, G.** Xyridaceae. In Pilger, R. *Plantae Uleanae novae vel minus cognitae*. Notizbl. Königl. Bot. Gard. Berlin **6**: 117-119. 20 Mr 1914.
Includes *Xyris Roraimae* Malme.

- Mansfield, W.** Poisonous plants. *Practical Druggist* **31**: 24, 25.
 15 O 1913; **31**: 25, 26. 15 N 1913; **31**: 26, 27. 15 D 1913; **32**: 12,
 13. 15 Ja 1914; **32**: 58, 59. 15 F 1914. [Illust.]
- Melchers, L. E.** A preliminary report on raspberry curl or yellows.
Ohio Nat. **14**: 281-288. f. 1-5. 24 Ap 1914.
- Morse, W. J.** Powdery scab of potatoes. *Maine Agr. Exp. Sta. Bull.*
227: 89-104. f. 44-52. Mr 1914.
- Perkins, J.** Monimiaceae. In Pilger, R. *Plantae Uleanae novae vel
 minus cognitae*. *Notizbl. Königl. Bot. Gard. Berlin* **6**: 134, 135.
 20 Mr 1914.
 Includes *Siparuna dasyantha* and *S. heteropoda*, spp. nov.
- Phelps, O. P.** Unusual plants found in Salisbury, Connecticut.
Rhodora **16**: 96. 11 My 1914.
- Pilger, R.** Gramineae. In Pilger, R. *Plantae Uleanae novae vel
 minus cognitae*. *Notizbl. Königl. Bot. Gard. Berlin* **6**: 112, 113.
 20 Mr 1914.
 Includes *Pariana Ulei* sp. nov. from Brazil.
- Pilger, R.** *Plantae Uleanae novae vel minus cognitae*. *Notizbl.*
Königl. Bot. Gard. Berlin **6**: 109-142. 20 Mr 1914; 143-179.
 4 Ap 1914.
 Includes articles by Brause, Engler & Krause, Malme, Schlechter, Heimerl, Diels,
 Perkins, Schulz, Brand, Krause, Radlkofer, Ulbrich, Harms, and Pilger, here indexed
 separately.
- Pilger, R.** Rapateaceae. In Pilger, R. *Plantae Uleanae novae vel
 minus cognitae*. *Notizbl. Königl. Bot. Gard. Berlin* **6**: 119, 120.
 20 Mr 1914.
 Includes *Rapatea Ulei* Pilger.
- Pilger, R.** Rosaceae. In Pilger, R. *Plantae Uleanae novae vel minus
 cognitae*. *Notizbl. Königl. Bot. Gard. Berlin* **6**: 136-142. 20 Mr
 1914.
 Includes eleven new species in *Moquilea* (1), *Licania* (2), and *Hirtella* (8).
- Piper, C. V.** *Wyethia helianthoides* Nuttall and *Wyethia amplexicaulis*
 Nuttall. *Proc. Biol. Soc. Washington* **27**: 97, 98. 11 My 1914.
Wyethia Cusickii sp. nov.
- Pittier, H.** New or noteworthy plants from Colombia and Central
 America—4. *Contr. U. S. Herb.* **18**: 69-86. pl. 42-56 + f. 76-87.
 16 Ap 1914.
 Includes *Brosimum terrabanum*, *Spondias nigrescens*, and *Calocarpum viride*,
 spp. nov.
- Radlkofer, L.** Sapindaceae. In Pilger, R. *Plantae Uleanae novae
 vel minus cognitae*. *Notizbl. Königl. Bot. Gard. Berlin* **6**: 149-156.
 4 Ap 1914.
 Includes a new species in *Serjania* and eight in *Paullinia*.

- Raymond, T.** Las especies de eucaliptos más importantes. Rev. Min. Obras Publicas Colombia **8**: 23-49. Ja 1914; 72-81. F 1914.
- Schlechter, R.** Asclepiadaceae. In Pilger, R. *Plantae Uleanae novae vel minus cognitae*. Notizbl. Königl. Bot. Gard. Berlin **6**: 173-179. 4 Ap 1914.
Includes new species in *Blepharodon* (4), *Metastelma* (1), *Ditassa* (3), *Orthosia* (1), *Oxyptalum* (1), *Gonolobus* (1), and *Fimbristemma* (1).
- Schlechter, R.** Orchidaceae. In Pilger, R. *Plantae Uleanae novae vel minus cognitae*. Notizbl. Königl. Bot. Gard. Berlin **6**: 120-126. 20 Mr 1914.
Includes twelve new species.
- Schulz, O. E.** Erythroxylaceae. In Pilger, R. *Plantae Uleanae novae vel minus cognitae*. Notizbl. Königl. Bot. Gard. Berlin **6**: 142. 20 Mr 1914.
- Shreve, F.** The role of winter temperatures in determining the distribution of plants. Am. Jour. Bot. **1**: 194-202. f. 1. 23 My 1914.
- Smith, G. M.** The cell structure and colony formation in *Scenedesmus*. Archiv Protistenkunde **32**: 278-297. pl. 16, 17. 1914.
- Smith, J. D.** Undescribed plants from Guatemala and other Central American republics. XXXVIII. Bot. Gaz. **57**: 415-427. 16 My 1914.
Includes descriptions of twenty new species and one new genus.
- Sprague, T. A.** *Pithecoctenium cynanchoides*. Curt. Bot. Mag. IV. **10**: pl. 8556. My 1914.
A South American plant.
- Stapf, O.** *Abies magnifica*. Curt. Bot. Mag. IV. **10**: pl. 8552. My 1914.
A plant from the northwestern United States.
- Stewart, A.** Some observations on the anatomy and other features of the "black knot." Am. Jour. Bot. **1**: 112-126. pl. 9, 10. 6 My 1914.
- Stewart, F. C., & Rankin, W. H.** Does *Cronartium ribicola* over-winter on the currant? N. Y. Agr. Exp. Sta. Bull. **374**: 41-53. pl. 1-3 + map. F 1914.
- Stockberger, W. W.** The social obligations of the botanist. Science II. **39**: 733-743. 22 My 1914.
- Thaxter, R.** Note on the ascosporic condition of the genus *Aschersonia* Montagne. Bot. Gaz. **57**: 308-313. f. 1-7. 15 Ap 1914.
- Thomson, R. B.** The spur shoot of the pines. Bot. Gaz. **56**: 362-385. pl. 20-23. 16 My 1914.
- Torrey, G. S.** Two yellow-fruited shrubs. Rhodora **16**: 91, 92. 11 My 1914.

- Ulbrich, E.** Bombacaceae. In Pilger, R. *Plantae Uleanae novae vel minus cognitae*. Notizbl. Königl. Bot. Gard. Berlin **6**: 156-166. 4 Ap 1914.
Includes two new species in *Bombax*, *Spirotheca salmonea* gen. et sp. nov., and *Cavanillesia hylogeiton* sp. nov.
- Ulbrich, E.** Über einige Malvaceen-Gattungen aus der Verwandtschaft von *Gossypium* L. Bot. Jahrb. **50**: (Suppl.) 357-362. 25 Mr 1914.
- Vinson, A. E.** The effect of climatic conditions on the rate of growth of date palms. Bot. Gaz. **57**: 324-327. f. 1. 15 Ap 1914.
- Visher, S. S.** Additions to the flora of South Dakota—I. Muhlenbergia **9**: 45-52. 19 My 1913.
- Vries, H. de.** The probable origin of *Oenothera Lamarckiana* Ser. Bot. Gaz. **57**: 345-361. pl. 17-19. 16 My 1914.
- Wager, R. E.** Spring flowers. Nature Study Rev. **10**: 174-184. f. 1-11. My 1914.
- Walton, L. B.** The evolutionary control of organisms and its significance. Science II. **39**: 479-488. 3 Ap 1914.
- Weatherby, C. A.** Old-time Connecticut botanists and their herbaria, —I. Rhodora **16**: 83-90. 11 My 1914.
- Weberbauer, A.** Die Vegetationsgliederung des nördlichen Peru um 5° südl. Br. Bot. Jahrb. **50**: (Suppl.) 72-94. 25 Mr 1914.
- Weingart, W.** *Cereus Cavendishii* Monv. and *Cereus Paxtonianus* Monv. Monats. Kakteenk. **24**: 42-45. 15 Mr 1914; 49-51. 15 Ap 1914.
- Wells, B. W.** Some unreported cecidia from Connecticut. Ohio Nat. **14**: 289-296. pl. 12, 13. 24 Ap 1914.
- Wernham, H. F.** Enumeration of T. A. Sprague's South American plants: Gamopetalae. Kew Bull. Mis. Inf. **1914**: 63-69. Mr 1914.
- Wester, P. J.** The atemoya, a new fruit for the tropics. Philip. Agr. Rev. **7**: 70-72. pl. 2-15. F 1914.
- Wood, G. C.** A preliminary list of the lichens found within a radius of 100 miles of New York City. Torreya **14**: 73-95. 14 My 1914. [Illust.]
- Wright, C. H.** The genus *Morenia*. Kew Bull. Mis. Inf. **1914**: 77-79. Mr 1914.
- Wright, C. H.** *Zephyranthes cardinalis*. Curt. Bot. Mag. IV. **10**: pl. 8553. My 1914.
- Zillig, H.** Die Kultur einiger Sukkulanten. Monats. Kakteenk. **24**: 57-62. 15 Ap 1914.
- Zon, R.** Balsam fir. U. S. Dept. Agr. Bull. **55**: 1-68. pl. 1, 2 + f. 1-8. 25 Mr 1914.